GOVERNMENT OF ANDHRA PRADESH

ABSTRACT

Revenue (Disaster Management) Department – Natural Calamities – DROUGHT – Drought Intervention Plan, 2017 – Formation of scientific committee to foster scientific and institutional collaboration for developing medium range agriculture weather forecast in Andhra Pradesh - Orders - Issued.

REVENUE (DM -II) DEPARTMENT

G.O.MS.No. 5 **Dated: 12-05-2017**

Read the following:-

1. G.O.Ms.No 9 , Revenue (DM) Department Dated : 21.10.2016
2. G.O.Ms.No 10 , Revenue (DM) Department Dated : 12.11.2016.
3. G.O.Ms.No 2 , Revenue (DM) Department Dated : 14.02.2017.
4. G.O.Ms.No 3 , Revenue (DM) Department Dated : 03.04.2017.
5. Letter from the Managing Director, APSDMA.

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ORDER:

In the references 1st to 3rd read above, the Government have declared 301 Mandals as drought affected in the State. As part of the drought intervention schemes, a State Drought Monitoring Cell (DMC) with inter-departmental team was constituted and housed at the State Emergency Operation Centre of Andhra Pradesh State Disaster Management Authority. The drought monitoring cell is monitoring the drought situation in the State and appraises the Government and line departments on situation advancement and progress of drought intervention schemes.

2. Effective drought forecasting system forms the back bone of advanced intervention planning and conceiving short and long term drought proofing measures. In present scenario National and State level agencies are issuing regional and district level advisories in various time scales. An improved forecasting system that can give village level or mandal level drought advisories at medium and extended range time scales is found essential to assist farmers in advanced mitigation planning. Implementing medium range forecasting system for the current season and long range forecast for the coming agricultural season would require institutional collaboration and sharing of data and technology. Andhra Pradesh State Disaster Management Authority has proposed to constitute a technical committee to make an attempt on medium and long range forecasting to assist sector specific drought intervention planning and mitigation measures.

3. Government, after careful examination, hereby constitute a scientific committee to monitor weather updates and make an attempt on developing improved medium and long range drought forecasting systems for the State of Andhra Pradesh with representatives from the following institutions:-

1. India Meteorological Department
2. National Remote Sensing Centre, ISRO
3. Satish Dhavan Space Centre, ISRO
4. Indian Institute of Tropical Meteorology
5. Andhra Pradesh Space Application Centre
6. Director, Ground Water Board,AP.
7. Central Water Commission
8. Acharya N.G.Ranga Agriculture University
9. A.P. Water Resources Department.
10. Director, Central Research Institute for Dry-land Agriculture.
11. Andhra Pradesh State Development Planning Society ... Convenor

(PTO)

Mandate of the Scientific Committee

- Review of current drought monitoring systems and identification of enhanced monitoring requirements
- Analyze weather forecasts issued by national and international agencies and make tailor-made mandal / District level weather forecast for medium and long term time scales.
- Develop drought forecasting system for Andhra Pradesh based upon weather updates, satellite inputs, multiple drought indicators, drought monitoring indices, surface water data, ground water data, reservoir storage level and situation reports from field departments, based on field data collection using tools like E-Crop etc.,
- Issue area specific weekly scientific advisories for agriculture and horticulture sectors
- Develop district drought distribution model informing the spatial distribution of droughts and associated risk in the field in order to assess expected drought intensity at various geographical units in the State.
- Foster drought mitigation research and data sharing in the State of Andhra Pradesh by creating an information network of scientific organisations and higher education institutions.

4. The technical committee constituted above shall conduct necessary meetings and furnish recommendations and technical guidance towards developing the forecasting models and advisories as contained supra.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

M.V. SESHAGIRI BABU
COMMISSIONER, DISASTER MANAGEMENT &
EX-OFFICIO SECRETARY TO GOVERNMENT (FAC)

To
The Director, India Meteorological Department, Begumpet, Hyderabad.
The Director, National Remote Sensing Centre, ISRO, Balanagar, Hyderabad.
The Director, Satish Dhavan Space Centre, ISRO, Sriharikota, Nellore Dist.
The Director, Indian Institute of Tropical Meteorology, Pune.
The C.E.O., Andhra Pradesh State Development Planning Society, Vjayawada.
The Vice-Chairman, Andhra Pradesh Space Application Centre, Vjayawada.
The Director, Ground Water Dept., A.P.
The Chief Engineer, Central Water Commission, Hyderabad.
The Vice-Chancellor, ANGR Agriculture University, Guntur.
The Director, Central Research Institute for Dry-land Agriculture, Hyd.
The Engr-in-Chief, Water Resources Department.

Copy to:

P.S. to Chief Secretary to Govt.
P.S. to Special Chief Secretary to C.M.
P.S. to Dy.Chief Minister (Home & DM)
P.S. to CDM & EOS, Revenue (DM) Dept.
SF/SCs

//FORWARDED : BY ORDER//

SECTION OFFICER